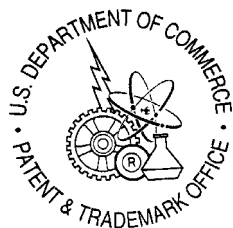


STATUTORY INVENTION REGISTRATIONS  
AND  
DEFENSIVE PUBLICATIONS

JANUARY 1977 -- DECEMBER 1999



March 2000  
U.S. PATENT AND TRADEMARK OFFICE  
OFFICE FOR PATENT AND TRADEMARK INFORMATION / TAF PROGRAM  
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*A TECHNOLOGY ASSESSMENT AND FORECAST REPORT*

## Statutory Invention Registrations and Defensive Publications Report 1/1977 - 12/1999 Explanation of Data

This Technology Assessment and Forecast (TAF) Program Report profiles patent activity for statutory invention registrations and defensive publications (hereafter referred to as patents) granted between 1977 and December 1999. The source of the data used for this report is the TAF data base maintained by the Office for Patent and Trademark Information.

### Data Distribution By Date of Grant and By Date of Application

#### **Parts A1 and A2**

Part A1 distributes patent GRANT data by year of patent grant ("Patents Granted By Date of Patent Grant"). Part A2 distributes grant data by the year in which the patented application was filed ("Patents Granted By Date of Patent Application"). Parts A1 and A2 each provide patent counts (pages A1-1 and A2-1) and percent distributions (pages A1-2 and A2-2).

Patent data in the "Pre 1986" column corresponds to the period January 1, 1977 through December 31, 1985.

#### **Part B**

Part B of this report distributes patent GRANT data for organizations that have received U.S. patents since 1977. Data are presented by the year in which the patent was granted ("Patents By Year of Grant") and the year the patented application was filed ("Patents by Year of Application").

DATA FOR THOSE APPLICATIONS WHICH WERE FILED BUT NEVER ISSUED (ROUGHLY 40% OF TOTAL FILINGS) ARE NOT INCLUDED IN THIS REPORT.

Since the average time period between filing for a patent and the issuing of the patent (i.e., a patent's "pendency") is now about 24 months, the patented application data for the most recent years are incomplete.\* This is because a significant number of the applications filed in the most recent years, which will ultimately become patents, were still pending in **December 1999**. Since they had not yet become patents at the time this report was prepared, they were not included in this report.

Patented application data are of significant value since the date an application was filed more accurately reflects when the technology was developed. Additionally, fluctuations in data based on application date are much more likely to reflect changes in technological activity, since such fluctuations would for the most part be immune from changes in PTO processing such as occurred in 1986 when the PTO issued fewer patents than would normally have been expected due to a lack of funds to print patents. Note that a patent's "pendency" can be quite variable from one patent to another thereby affecting the date of patent grant. Such variation in pendency is determined by many factors, including PTO

workload (which varies between technologies), budget and manpower levels, patent printing schedules, etc.

### Parts of the Report

**Parts A1 and A2** present tables which show, by number and percent, the patent activity. Part A1 presents data by year of patent grant ("Patents Granted by Date of Patent Grant"). Part A2 redistributes grant data by year of patent application ("Patents Granted by Date of Patent Application"). The location of patent origin is determined by the residence of the first-named inventor at the time of grant.

Information on **patent ownership** reflects ownership at the time of patent grant and does not include subsequent changes in ownership. If more than one assignee was declared at the time of grant, the patent is attributed to the first-named assignee. The U.S. and Foreign Corporations ownership categories count predominantly corporate patents; however, patents assigned to other organizations such as small businesses, nonprofit organizations, universities, etc. are also included in this category. While U.S. Government patent ownership includes only patents granted to the Federal Government, no such distinction is made for Foreign Government patents.

**Part B** is a ranked listing of national and international organizations (i.e., corporations, universities, government agencies) which have received one or more U.S. statutory invention registrations and/or defensive publications since 1977. Data line 1 for each listed organization distributes counts of patent grants by year of grant. Data line 2 for each organization redistributes those same patent grants by year in which the patented application was filed. Information on patent ownership reflects ownership at the time of patent grant. Although a substantial effort has been made to combine name variations into a single organizational name, many organizations continue to have patents listed under more than one organizational name.

\* As of December 31, 1999, UTILITY patent application data (most issued patent documents are utility patents) were approximately 79% complete for patent applications filed in 1997 and 21% complete for applications filed in 1998. They are essentially complete for applications filed prior to 1997. Currently, completion percentages restricted to statutory invention registrations and defensive publications are not available.

## Part A1

Patent Grants As Distributed By Year of Patent Grant

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1977 - Dec 31, 1999) ----

	NUMBER OF PATENTS															
	Pre 1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	Total
Total	503	179	213	167	157	143	144	117	144	117	121	109	78	62	60	2314
U.S. Origin	423	172	203	160	134	123	128	98	131	105	111	94	65	56	56	2059
Foreign Origin	80	7	10	7	23	20	16	19	13	12	10	15	13	6	4	255
JAPAN	9	7	6	5	16	16	14	13	12	9	7	12	7	3	2	138
UNITED KINGDOM	46		2	1	2	3	1		1							56
CANADA	4		1		3	1		1	1	1	1		1	1		15
GERMANY	8							2					1			11
NETHERLANDS	4		1		1			1				1	1			9
FRANCE	2							2		1	1			1		7
SWITZERLAND	3										1	1				5
INDIA	1						1					1				3
ITALY				1	1										1	3
BELGIUM													2		1	3
AUSTRALIA	2															2
INDONESIA													1			1
SWEDEN	1															1
SOUTH AFRICA															1	1
Ownership:																
U.S. Corporations	149	37	28	31	30	21	24	25	36	34	35	40	29	26	28	573
U.S. Government	34	120	162	114	95	80	87	61	64	49	51	37	22	10	14	1000
U.S. Individuals	249	15	17	16	14	24	19	13	31	24	25	19	18	19	13	516
Foreign Corporations	36	6	5	5	11	12	10	11	8	9	5	7	3	6	3	137
Foreign Government																0
Foreign Individuals	35	1	1	1	7	6	4	7	5	1	5	6	6	1	2	88

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1977 - Dec 31, 1999) ----

	PERCENT OF PATENTS															
	Pre 1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	Total
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	84	96	95	96	85	86	89	84	91	90	92	86	83	90	93	89
Foreign Origin	16	4	5	4	15	14	11	16	9	10	8	14	17	10	7	11
JAPAN	2	4	3	3	10	11	10	11	8	8	6	11	9	5	3	6
UNITED KINGDOM	9		1	1	1	2	1			1						2
CANADA	1				2	1		1	1	1	1		1	2		1
GERMANY	2							2					1			0
NETHERLANDS	1				1			1				1	1			0
FRANCE								2		1	1			2		0
SWITZERLAND	1										1	1				0
INDIA							1					1				0
ITALY				1	1									2		0
BELGIUM													3		2	0
AUSTRALIA																0
INDONESIA													1			0
SWEDEN																0
SOUTH AFRICA															2	0
Ownership:																
U.S. Corporations	30	21	13	19	19	15	17	21	25	29	29	37	37	42	47	25
U.S. Government	7	67	76	68	61	56	60	52	44	42	42	34	28	16	23	43
U.S. Individuals	50	8	8	10	9	17	13	11	22	21	21	17	23	31	22	22
Foreign Corporations	7	3	2	3	7	8	7	9	6	8	4	6	4	10	5	6
Foreign Government																0
Foreign Individuals	7	1		1	4	4	3	6	3	1	4	6	8	2	3	4

## Part A2

### Patent Grants As Distributed By Year of Patent Application

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1977 - Dec 31, 1999) ----

	NUMBER OF PATENTED APPLICATIONS															Total
	Pre 1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
Total	829	199	172	145	163	163	129	138	116	75	82	47	40	16		2314
U.S. Origin	729	192	156	118	145	140	122	126	102	63	72	41	37	16		2059
Foreign Origin	100	7	16	27	18	23	7	12	14	12	10	6	3			255
JAPAN	23	6	12	19	17	17	6	10	9	9	4	4	2			138
UNITED KINGDOM	48	1	3	3					1							56
CANADA	5		1	3		3			2			1				15
GERMANY	8			1			1				1					11
NETHERLANDS	6				1				1	1						9
FRANCE	2					2		2				1				7
SWITZERLAND	3									2						5
INDIA	1					1			1							3
ITALY	1			1							1					3
BELGIUM											3					3
AUSTRALIA	2															2
INDONESIA											1					1
SWEDEN	1															1
SOUTH AFRICA													1			1
Ownership:																
U.S. Corporations	224	25	28	23	25	30	37	38	43	26	24	20	20	10		573
U.S. Government	238	154	117	83	93	87	54	62	45	23	23	13	6	2		1000
U.S. Individuals	279	16	14	16	28	25	32	26	16	16	26	8	11	3		516
Foreign Corporations	49	4	5	18	12	14	4	8	6	5	5	4	2	1		137
Foreign Government																0
Foreign Individuals	39		8	5	5	7	2	4	6	5	4	2	1			88

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1977 - Dec 31, 1999) ----

	PERCENT OF PATENTED APPLICATIONS															Total
	Pre 1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100		100
U.S. Origin	88	96	91	81	89	86	95	91	88	84	88	87	93	100		89
Foreign Origin	12	4	9	19	11	14	5	9	12	16	12	13	8			11
JAPAN	3	3	7	13	10	10	5	7	8	12	5	9	5			6
UNITED KINGDOM	6	1	2	2					1							2
CANADA	1		1	2		2			2			2				1
GERMANY	1			1			1				1					0
NETHERLANDS	1				1				1	1						0
FRANCE						1		1				2				0
SWITZERLAND										3						0
INDIA						1			1							0
ITALY				1							1					0
BELGIUM											4					0
AUSTRALIA																0
INDONESIA											1					0
SWEDEN																0
SOUTH AFRICA													3			0
Ownership:																
U.S. Corporations	27	13	16	16	15	18	29	28	37	35	29	43	50	63		25
U.S. Government	29	77	68	57	57	53	42	45	39	31	28	28	15	13		43
U.S. Individuals	34	8	8	11	17	15	25	19	14	21	32	17	28	19		22
Foreign Corporations	6	2	3	12	7	9	3	6	5	7	6	9	5	6		6
Foreign Government																0
Foreign Individuals	5		5	3	3	4	2	3	5	7	5	4	3			4



## Part B

Ranked Listing of Organizations with Patent Grants

As Distributed By Year of Patent Grant

and As Distributed By Year of Patent Application

(Granted: Jan 01, 1977 - Dec 31, 1999) ---- Ranked List of Organizations with 1 or More Patents ----

[illegible]

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 1999) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL
INTERNATIONAL BUSINESS MACHINES CORPORATION																
Patents By Year of Grant:	25	0	0	1	0	0	1	0	0	0	0	0	0	0	0	27
Patents By Year of Application:	26	0	0	0	1	0	0	0	0	0	0	0	0	0	0	27
IMPERIAL CHEMICAL INDUSTRIES PLC																
Patents By Year of Grant:	25	0	0	0	0	0	0	0	0	1	0	0	0	0	0	26
Patents By Year of Application:	25	0	0	0	0	0	0	1	0	0	0	0	0	0	0	26
KONICA CORPORATION																
Patents By Year of Grant:	0	0	0	0	3	0	2	4	7	2	2	5	0	0	0	25
Patents By Year of Application:	0	0	2	1	1	11	1	3	2	3	1	0	0	0	0	25
A. E. STALEY MANUFACTURING COMPANY																
Patents By Year of Grant:	0	1	3	4	4	2	3	2	1	1	2	1	0	0	0	24
Patents By Year of Application:	7	1	2	4	2	4	0	3	0	1	0	0	0	0	0	24
EXXON PRODUCTION RESEARCH COMPANY																
Patents By Year of Grant:	0	0	0	0	1	1	0	0	3	5	2	4	1	1	1	19
Patents By Year of Application:	1	0	0	1	0	1	2	3	5	4	0	1	1	0	0	19
W. R. GRACE & CO.-CONN.																
Patents By Year of Grant:	1	2	5	2	0	2	0	2	1	0	0	0	0	0	0	15
Patents By Year of Application:	7	2	1	1	2	0	0	2	0	0	0	0	0	0	0	15
PROCTER + GAMBLE COMPANY																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	1	3	7	2	0	14
Patents By Year of Application:	1	0	0	0	0	0	0	0	2	4	6	0	1	0	0	14
BRISTOL-MYERS SQUIBB COMPANY																
Patents By Year of Grant:	0	0	0	0	2	2	0	0	1	2	1	0	1	2	1	12
Patents By Year of Application:	1	1	1	2	0	1	0	1	1	0	0	2	2	0	0	12
FMC CORPORATION																
Patents By Year of Grant:	3	2	1	0	0	1	1	0	1	0	0	0	0	2	1	12
Patents By Year of Application:	6	0	1	1	0	1	0	0	0	0	0	0	1	2	0	12
DOW CHEMICAL COMPANY																
Patents By Year of Grant:	0	0	1	1	0	0	0	1	1	0	4	1	1	0	1	11
Patents By Year of Application:	0	1	1	0	0	1	2	1	3	0	0	1	1	0	0	11
HERCULES INCORPORATED																
Patents By Year of Grant:	4	0	0	0	0	0	0	1	1	1	0	1	1	1	0	10
Patents By Year of Application:	4	0	0	0	0	1	1	1	0	1	2	0	0	0	0	10

---- Ranked List of Organizations with 1 or More Patents ----

[illegible]

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 1999) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre																
	1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL	
CETUS CORPORATION																	
Patents By Year of Grant:	0	1	1	1	0	0	0	0	1	0	0	0	0	0	0	4	
Patents By Year of Application:	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
MINNESOTA MINING AND MANUFACTURING COMPANY																	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	1	0	1	1	0	0	4	
Patents By Year of Application:	1	0	0	0	0	0	1	0	0	1	1	0	0	0	0	4	
MOTOROLA, INC.																	
Patents By Year of Grant:	0	0	0	0	2	0	0	0	1	0	0	0	0	1	0	4	
Patents By Year of Application:	0	1	1	0	0	0	1	0	0	0	0	1	0	0	0	4	
AMERICAN CYANAMID COMPANY																	
Patents By Year of Grant:	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
BEXFORD LIMITED																	
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
CHRYSLER MOTORS CORPORATION																	
Patents By Year of Grant:	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	3	
Patents By Year of Application:	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	3	
GILLETTE COMPANY																	
Patents By Year of Grant:	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	3	
Patents By Year of Application:	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	3	
ISHIHARA SANGYO KAISHA LTD.																	
Patents By Year of Grant:	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3	
Patents By Year of Application:	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3	
MI DRILLING FLUIDS COMPANY																	
Patents By Year of Grant:	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	3	
Patents By Year of Application:	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	3	
NAVISTAR INTERNATIONAL TRANSPORTATION CORP.																	
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
RHONE-POULENC INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3	

(Granted: Jan 01, 1977 - Dec 31, 1999) ---- Ranked List of Organizations with 1 or More Patents ----

[illegible]

[illegible]

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 1999) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL
VISKASE CORPORATION																
Patents By Year of Grant:	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	2
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
AHLSTROM MACHINERY, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
AKZO NOBEL NV																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
ALCAN ALUMINUM CORPORATION																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ALLIED-SIGNAL INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ARCO CHEMICAL TECHNOLOGY, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
ARIMETCO, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
AUBURN UNIVERSITY																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
BABOLAT VS																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
BASF CORP.																
Patents By Year of Grant:	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BATESVILLE CASKET COMPANY, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1



(Granted: Jan 01, 1977 - Dec 31, 1999) ---- Ranked List of Organizations with 1 or More Patents ----

[illegible]

(Granted: Jan 01, 1977 - Dec 31, 1999) ---- Ranked List of Organizations with 1 or More Patents ----

[illegible]

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 1999) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL
EMERSON ELECTRIC CO.																
Patents By Year of Grant:	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
EMHART INDUSTRIES, INC.																
Patents By Year of Grant:	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
EXXON CHEMICAL COMPANY LAW TECHNOLOGY																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
EXXON CHEMICALS PATENTS INC.																
Patents By Year of Grant:	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
FIBERWEB NORTH AMERICA, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
FUJI HUNT PHOTOGRAPHIC CHEMICALS INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
GENETICS INSTITUTE, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
GLYCO CHEMICALS, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
GRACE ITALIANA S.P.A.																
Patents By Year of Grant:	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
GREAT LAKES CHEMICAL CORPORATION																
Patents By Year of Grant:	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
GTE MOBILE COMMUNICATIONS SERVICE CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1

---- Ranked List of Organizations with 1 or More Patents ----

[illegible]

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 1999) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL
KIMBERLY-CLARK CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
KIMBERLY-CLARK WORLDWIDE, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
KOBEL, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
LORILLARD TOBACCO COMPANY																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
LUCENT TECHNOLOGIES INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
MACHINE BUILDERS AND DESIGN, INC.																
Patents By Year of Grant:	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MEAD CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
METTON AMERICA, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
MINOLTA CAMERA CO., LTD.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MITSUBISHI OIL CO., LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
MOLI ENERGY (1990) LIMITED																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1

(Granted: Jan 01, 1977 - Dec 31, 1999) ---- Ranked List of Organizations with 1 or More Patents ----

[illegible]



---- Ranked List of Organizations with 1 or More Patents ----

SEMATECH, INC.



(Granted: Jan 01, 1977 - Dec 31, 1999) ---- Ranked List of Organizations with 1 or More Patents ----

[illegible]

(Granted: Jan 01, 1977 - Dec 31, 1999) ---- Ranked List of Organizations with 1 or More Patents ----

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